## **ABSTRACT**

In a method of driving a passive matrix display or memory array of cells comprising an electrically polarizable material exhibiting hysteresis, in particular a ferroelectric material, wherein the 5 polarization state of individual cells can be switched by application of electric potentials or voltages to word and bit lines in the matrix or array, a potential on selected word and bit lines is 10 controlled to approach or coincide with one of n predefined potential levels and the potentials on all word and bit lines are controlled in time according to a protocol such that word lines are sequentially latched to potentials selected among n<sub>WORD</sub> 15 potentials, while the bit lines are either latched sequentially to potentials selected among n<sub>BIT</sub> potentials, or during a certain period of a timing sequence given by the protocol connected to circuitry for detecting charges flowing between a 20 bit line or bit lines and cells connecting thereto. This timing sequence is provided with a read cycle during which charges flowing between the selected bit line or bit lines connecting thereto are detected and a "refresh/write cycle" during which the 25 polarization of the cells connecting with selected word and bit lines are brought to correspond with a set of predetermined values.